

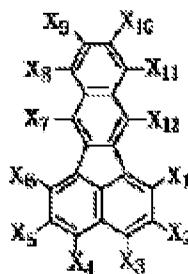
## ORGANIC ELECTROLUMINESCENT ELEMENT

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**Applicant:** MITSUI CHEMICALS INC  
**Classification:**  
 - **international:** C09K11/06; H05B33/14; C09K11/06; H05B33/14;  
 (IPC1-7): H05B33/14; C09K11/06  
 - **european:**  
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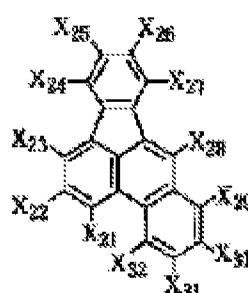
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### Abstract of JP10189247

**PROBLEM TO BE SOLVED:** To provide an organic electroluminescent element with high luminescent efficiency and high luminance by interposing a layer containing a benzofluoranthenone derivative between a pair of electrodes. **SOLUTION:** An organic electroluminescent element interposing at least one layer containing at least one kind of benzofluoranthenone derivatives represented by formula I or formula II (wherein X1-X12 and X21-X32 show a hydrogen atom, halogen atom, straight chain, branched, or cyclic alkyl group or alkoxy group, a substituting or non-substituting aryl group), for example benzo [k] fluoranthenone derivative, a benz [e] acephenanthrylene derivative, a benzo [j] fluoranthenone derivative, a benz [a] aceanthrylene derivative as a luminescent layer is manufactured. The organic electroluminescent element with high luminance usable as a panel type light source of a back light or the like is obtained.



I



II

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